

DEC 07 2006

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From: David S. Resnick Candace Summerford	Date: December 7, 2006	No. of Pages: (including this page) 8	
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**Atty. Docket No.700355-053462** **PATENT**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

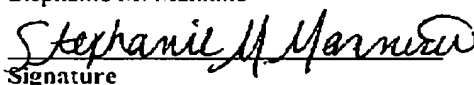
Applicant: David Kaplan et al. Examiner: Not Yet Assigned  
 Serial No.: 10/541,182 Group: 3926  
 Filed: June 14, 2006  
 For: SILK FIBROIN MATERIALS AND USE THEREOF

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5. Fax Cover Sheet (1 pg.); and
6. Transmittal Form (1 pg.)

Dec 7, 2006

Stephanie M. Mannino  
  
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Atty. Docket No. 700355-053462

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:	David Kaplan et al.	Examiner:	Not Yet Assigned
Serial No.:	10/541,182	Group:	3926
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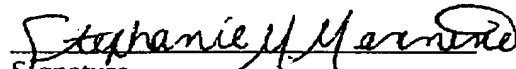
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Date: December 7, 2006

  
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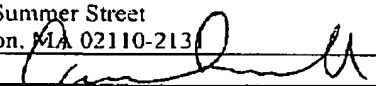
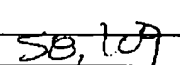
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<b>TRANSMITTAL FORM</b> <i>(to be used for all correspondence after initial filing)</i>	Application Number	10/541,182	
	Filing Date	June 14, 2006	
	First Named Inventor	David Kaplan et al.	
	Group Art Unit	3926	
	Examiner Name	Not Yet Assigned	
Total Number of Pages in This Submission		Attorney Docket Number	700355-053462

ENCLOSURES (check all that apply)		
<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment / Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Assignment Papers (for an Application) <input type="checkbox"/> Drawing(s) <input type="checkbox"/> Declaration and Power of Attorney <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____	<input type="checkbox"/> After Allowance Communication to Group <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input type="checkbox"/> Application Data Sheet <input checked="" type="checkbox"/> Request for Corrected Filing Receipt with Enclosures <input type="checkbox"/> A self-addressed prepaid postcard for acknowledging receipt <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): Certificate of Facsimile, Fax Cover Sheet, Copy of Cover Sheet of WO 2004/062697 A2
Remarks		<input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees required or credit any overpayments to Deposit Account No. 19-2386 for the above identified docket number.

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT	
Firm or Individual name	NIXON PEABODY LLP 100 Summer Street Boston, MA 02110-2131
Signature	  David S. Resnick (Reg. No. 34,235) / Candace M. Summerford (Reg. No. 58,109)
Date	

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Practitioner's Docket No. 700355-053462

**PATENT****IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re application of: David Kaplan et al.  
Confirmation No.: 6154  
Application No.: 10/541,182 Group No.: 3926  
Filed: June 14, 2006 Examiner: To be assigned  
For: SILK FIBROIN MATERIALS AND USE THEREOF

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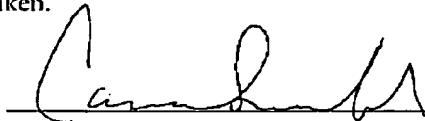
**REQUEST FOR CORRECTED FILING RECEIPT – PTO ERROR**

1. Attached is a copy of the official filing receipt received from the PTO in the above application for which issuance of a corrected filing receipt is respectfully requested.
2. There are errors with respect to the following, which are incorrectly entered.

<i>Error in</i>	<i>Correct data</i>
i) Title of the Application	i.) SILK FIBROIN MATERIALS AND USE THEREOF
ii) Assignment For Published Patent Application – MIT is the only Assignee listed	ii.) "Tufts University, Medford, MA" should also be added

Applicants' attach hereto a copy of the filing receipt with corrections marked.

3. Applicants note that the correct information for both the Title of the Application and the Assignment for Published Patent Application were both correct when filing the PCT application (cover sheet of WO 2004/062697 A2 enclosed herewith). Both are also correct on the Application Data Sheet when the National Phase Entry was filed.
4. Applicants do not believe any fees are associated with this submission. Authorization to charge fee deficiencies and credit overpayment to the NIXON PEABODY LLP Deposit Account No. 50-0850 is given in the event that Applicants are mistaken.

Date: December 7, 2006

David S. Resnick (Reg. No.: 34,235)  
Candace M. Summerford (Reg. No. 58,109)  
NIXON PEABODY LLP  
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Tel. No.: 617-345-6057

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
29 July 2004 (29.07.2004)

PCT

(10) International Publication Number  
WO 2004/062697 A2

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(22) International Filing Date: 7 January 2004 (07.01.2004)  
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(30) Priority Data: 60/438,393 7 January 2003 (07.01.2003) US  
(71) Applicants (for all designated States except US): TUFTS UNIVERSITY [US/US]; Baljou Hall, Medford, MA 02155 (US). MASSACHUSETTS INSTITUTE OF TECHNOLOGY [US/US]; 77 Massachusetts Avenue, Cambridge, MA 02139 (US).  
(72) Inventors; and  
(75) Inventors/Applicants (for US only): KAPLAN, David,

L. [US/US]; 46 Pond Street, Concord, MA 01742 (US). NAZAROV, Rina [US/US]; 24 Princeton Street, Medford, MA 02155 (US). VUNJAK-NOVAKOVIC, Gordana [US/US]; 305 Fitzmaurice Circle, Belmont, MA 02478 (US). MEINEL, Lorenz [DE/CH]; Kastanienstrasse 6, 34266 Niestetal (DE).

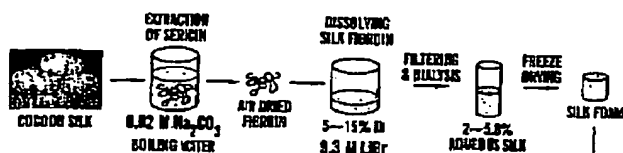
(74) Agents: RESNICK, David, S. et al.; Nixon Peabody LLP, 101 Federal Street, Boston, MA 02110 (US).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

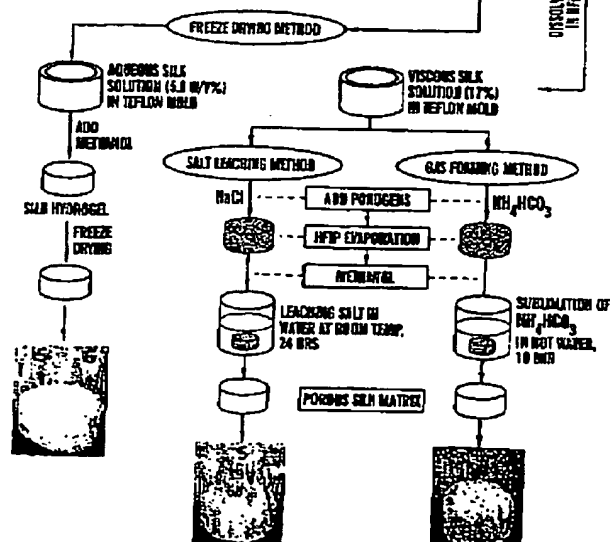
[Continued on next page]

(54) Title: SILK FIBROIN MATERIALS AND USE THEREOF

#### A. SILK PROCESSING



#### B. SILK SCAFFOLD FABRICATION



(57) Abstract: The present invention provides processes for producing porous silk fibroin scaffold material. The porous silk fibroin scaffold can be used for tissue engineering. The porosity of the silk fibroin scaffolds described herein can be adjusted as to mimic the gradient of densities found in natural tissue. Accordingly, methods for engineering of 3-dimensional tissue, e.g. bone and cartilage, using the silk fibroin scaffold material are also provided.

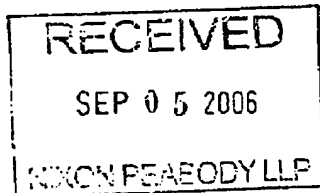
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APPL NO.	FILING OR 371 (c) DATE	ART UNIT	FIL FEE REC'D	ATTY. DOCKET NO	DRAWINGS	TOT CLMS	IND CLMS
10/541,182	06/14/2006	3926	740	700355-053462	16	39	1

50828  
DAVID S. RESNICK  
100 SUMMER STREET  
NIXON PEABODY LLP  
BOSTON, MA 02110-2131

CONFIRMATION NO. 6154

## FILING RECEIPT



\*OC000000020220880\*

Date Mailed: 08/29/2006

Receipt is acknowledged of this regular Patent Application. It will be considered in its order and you will be notified as to the results of the examination. Be sure to provide the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION when inquiring about this application. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please mail to the Commissioner for Patents P.O. Box 1450 Alexandria Va 22313-1450. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections (if appropriate).

## Applicant(s)

David L Kaplan, Concord, MA;  
Rina Nazarov, Medford, MA;  
Gordana Vunjak-Novakovic, Belmont, MA;  
Lorenz Meinel, Niestetal, GERMANY;

## Assignment For Published Patent Application

Massachusetts Institute of Technology, Cambridge, MA  
*Tufts University, Medford, MA*Power of Attorney: The patent practitioners associated with Customer Number 50828.

## Domestic Priority data as claimed by applicant

This application is a 371 of PCT/US04/00255 01/07/2004  
which claims benefit of 60/438,393 01/07/2003

## Foreign Applications

If Required, Foreign Filing License Granted: 08/28/2006

The country code and number of your priority application, to be used for filing abroad under the Paris Convention, is **US10/541,182**

Projected Publication Date: 12/07/2006

Non-Publication Request: No

Early Publication Request: No

**\*\* SMALL ENTITY \*\***

Title

~~Electrospun pharmaceutical compositions~~

**Silk Fibroin Materials and Use Thereof**

Preliminary Class

348

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